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(51) International Patent Classification ⁶: C12Q 1/68, C07K 14/705, 16/28, G01N 33/566	A1	(11) International Publication Number: WO 97/04133 (43) International Publication Date: 6 February 1997 (06.02.97)									
(21) International Application Number: PCT/US96/12067 (22) International Filing Date: 19 July 1996 (19.07.96) (30) Priority Data: <table border="0"><tr><td>60/001,387</td><td>21 July 1995 (21.07.95)</td><td>US</td></tr><tr><td>60/001,861</td><td>3 August 1995 (03.08.95)</td><td>US</td></tr><tr><td>60/016,700</td><td>2 May 1996 (02.05.96)</td><td>US</td></tr></table> (71) Applicant (for all designated States except US): REGENTS OF THE UNIVERSITY OF MINNESOTA [US/US]; Morrill Hall, 100 Church Street, S.E., Minneapolis, MN 55455 (US). (72) Inventors; and (73) Inventors/Applicants (for US only): TSILIBARY, Photini-Effie [US/US]; 1812 Emerson Avenue South, Minneapolis, MN 55403 (US). CHARONIS, Aristidis, S. [US/US]; 1812 Emerson Avenue South, Minneapolis, MN 55403 (US). SETTY, Suman [IN/US]; Apartment 1703, 425 15th Avenue S.E., Minneapolis, MN 55414 (US). MAUER, Michael [US/US]; 2507 West 52nd Street, Minneapolis, MN 55401 (US). (74) Agent: BRUESS, Steven, C.; Merchant, Gould, Smith, Edell, Welter & Schmidt, 3100 Norwest Center, 90 South Seventh Street, Minneapolis, MN 55402 (US).		60/001,387	21 July 1995 (21.07.95)	US	60/001,861	3 August 1995 (03.08.95)	US	60/016,700	2 May 1996 (02.05.96)	US	(81) Designated States: AL, AM, AT, AT (Utility model), AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
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(54) Title: ANALYSIS OF ALPHA INTEGRINS FOR THE DIAGNOSIS OF DIABETIC NEPHROPATHY											
(57) Abstract Analysis of alterations in integrin subunit expression, particularly $\alpha 1$ and/or $\alpha 2$ integrin subunit expression from integrin producing cells as compared to normal controls as a diagnostic method to identify individuals who have or are predisposed to pathologies associated with altered matrix deposition, such as diabetic renal nephropathy.											